

DAPP WT BOOKING ENGINE, PAYMENT GATE AND TRANSPARENT ECONOMY TRUST CLUE

BY SIESTA CLOUD TEAM

TEAM



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WHAT IS THE PROBLEM?

No easy way to make reservation and send money to service provider via WT

WHAT IS THE SOLUTION?

DAPP Booking engine with crypto payment gate and trustpool integrated into [org.id](#) explorer

MISSION

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- Decentralised booking app
 - Hotel data + Org Id/List rooms
 - Select room and fill booking form
- Token settlement
 - Call hotel booking API and retrieve booking ID (unique per transaction) and current price
 - MetaMask payment with booking ID as value data
 - Periodical check on hotel payment API until booking is payed and confirmed
- Transparent economy trust
 - Seller gets money, no need for trust
 - Buyer can trust to seller, when he periodically sell services

Bonus 1: ENS + IPFS decentralised web app (<http://wtbooking.eth>)

Bonus 2: Embedded in explorer.myorgid.com

OBSTACLE NOTES

CORS for apps

LESSONS LEARNED

MetaMask Api

ENS + IPFS

ETH - transaction data

BOOKING ENGINE

Current state

- Widget for hotels: Search > Select > Book > Pay
- Iframe on websites or on unique URL
- Mainly paid SAAS products
 - Taking fixed monthly fee/commission from every reservation

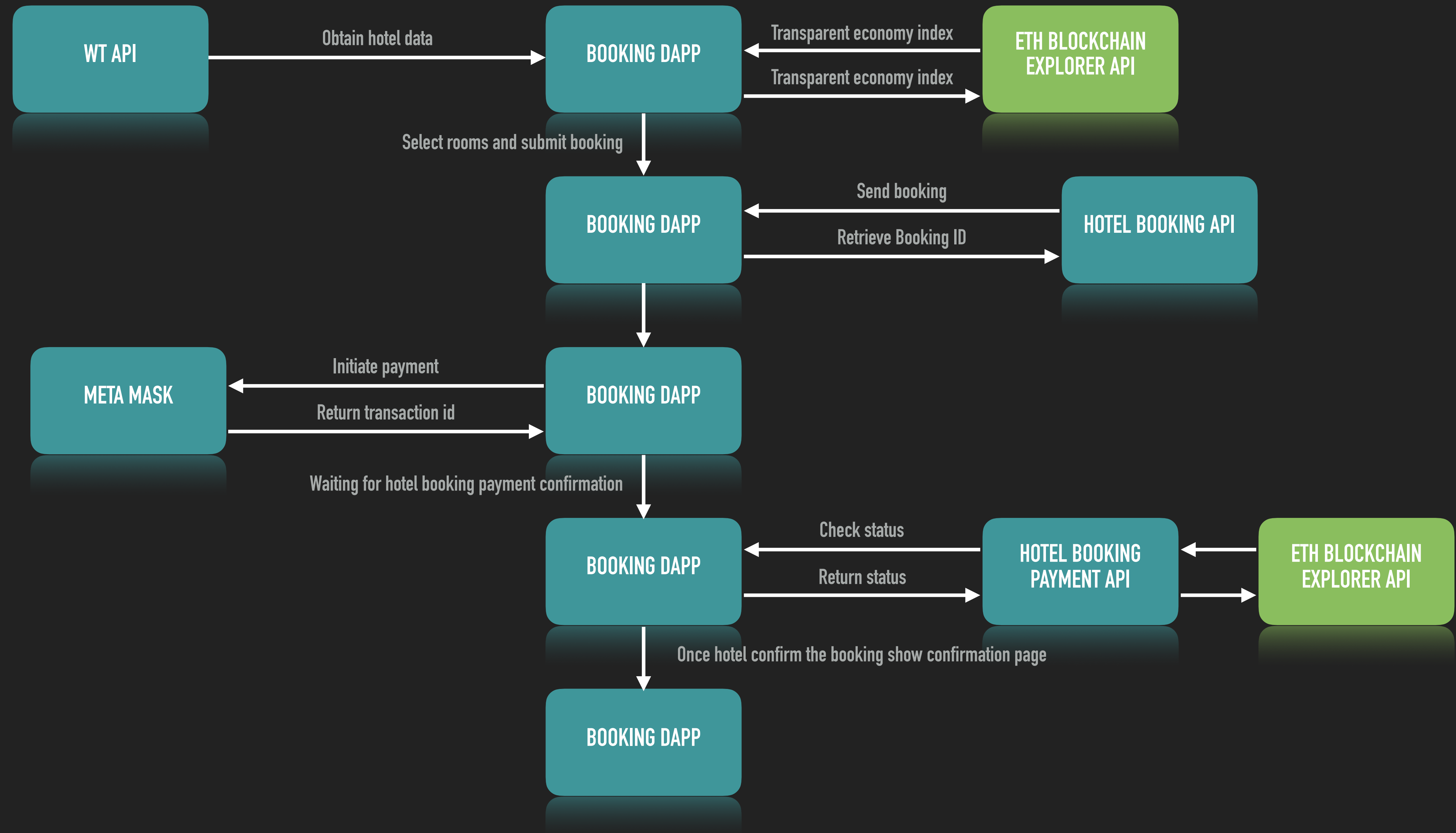
DAPP advantages

- No server and hosting maintenance
- No fees and commissions for 3rd parties
- Easy to set-up

SETTLEMENT AND TRUST

- Crypto payment is cheaper than credit card (2% fee)
- No middlemen
- Realtime payment and confirmation
- Since price gets confirmed during booking request - real time, the chance for price change is small. (volatility problem)
- Seller does not need to trust if he gets the money
- Buyer can trust the seller, if the seller periodically sells services to other buyers which are also purchasing services elsewhere. (transparent economy trust)
- As the buyers and sellers will be mostly B2B (OTAs <> Hotels Softwares) it won't be that difficult to start using crypto payment compared to B2C

DIAGRAM




Hotel Info

Masarykova N°30
Brno, CZ, Kapucínské náměstí 15, Brno

ORG ID


PRAGUE STAY, Residences Unlimited s.r.o.
0xd5DED84534e0eedb53b3ecA32c14BA674C44daDB
<https://api.siesta.cloud/wt/8/serviceorgjson>

Hotel Rooms




Amethyst Apartment

Book now



Citrine Apartment

Book now



Diamond Apartment


Book now

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0xd5DED84534e0eedb53b3ecA32c14BA674C44daDB
<https://api.siesta.cloud/wt/8/serviceorgjson>




Citrine Apartment

First Name

Last Name

Email Name

Book



WINDING TREE

MetaMask Notification

< Upravit

Ropsten Test Network

Miko

→

0x66d5...78f9

SENT ETHER

0.1

DETAILS

DATA

GAS FEE

0.001

No Conversion Rate Available

TOTAL

0.101

No Conversion Rate Available

Odmítnout

Potvrdit

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<https://api.siesta.cloud/wt/8/serviceorgjson>

Your booking is confirmed!

Booked Room



Citrine Apartment

Booking Detail

Mikoláš Belec
miko.belec@gmail.com
0x66d54A4D5e8A6F4897D4e04602ded629194D78F9
0.1
<https://ropsten.etherscan.io/tx/0xe3a6b0fba461d3371386c5508ce13c1c2f>



WINDING TREE

ORG.ID EXPLORER

ORG.ID Address

GO

ORG.ID in hotels directory

0xd5DED84534e0eedb53b3ecA32c14BA674C44daDB

Created in mainnet 4 days ago, updated 4 days ago

Lif deposit value: 0

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ORG ID


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0xd5DED84534e0eedb53b3ecA32c14BA674C44daDB

https://api.siesta.cloud/wt/8/serviceorgjson

Booking Form

Selected Room



Amethyst Apartment


Booking Details

First Name

Last Name

Email Name

Book



PRAGUE STAY, Residences Unlimited s.r.o.

Address not provided

https://siesta.cloud

Owner

PRAGUE STAY, Residences Unlimited s.r.o.

o Praha CZ

0x64401551cA13e5bCofC3747C96Bd187a7185096a

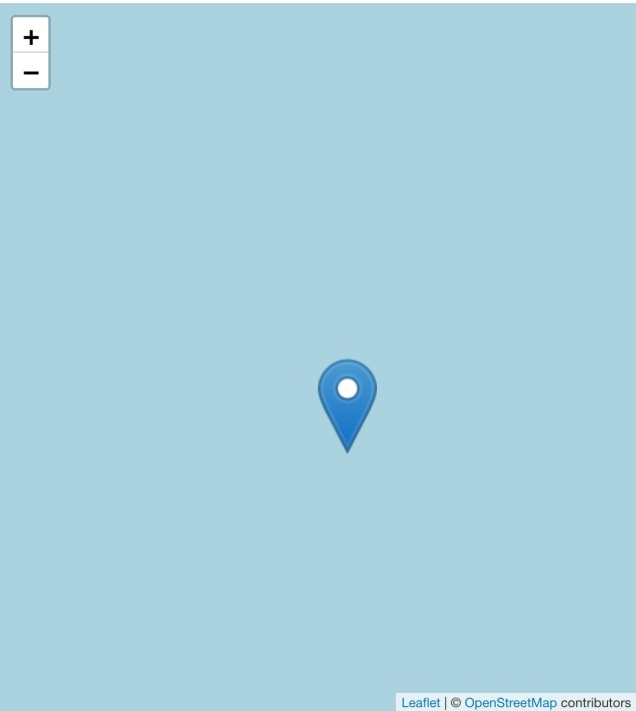
url:

email: info@prague-stay.com


phone: +420 222 311 084

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About

Homepage

Blog

Developers

Source code

GitHub

DEMO

DEMO: [HTTP://WTBOOKING.ETH.LINK](http://wtbooking.eth.link)

IF YOU HAVE METAMASK, SWITCH TO ROPSTEN AND TRY IT

THANK YOU